

HRIVNAK, L.

Distr: 4E3d

Mean free path and mobility of electrons in ionic crystals.  
Lubomir Hrivnak (Univ. Komensky, Bratislava). Czechoslovak J. Phys. 6, 37-38 (1958) (in English).—Relations are found for the mean free path and mobility of an electron or hole in ionic crystals. The results are compared with expt. Harry C. Allen, Jr.

JB  
1/

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1

Stationary states of an electron in the field of a hole in an ionic crystal. <sup>1</sup> ~~Labomir Hlavinka~~ (Komenský Univ., Bratislava, Czech). *Czechoslov. J. Phys.* 9, 685-91 (1959) (in English).—H. presents a generalized form of Haken's approach (CA 53, 15777g). An approx. solution is given of the Schrödinger equation for S-states of an electron in the field of a hole, when the potential energy of the electron has the form  $(-e^2/r)[1 + \exp(-qr)]$ . <sup>2</sup> A. Kremheller

HRIVNAK, L.

Distr: 4E2c(m)

Temperature dependence of exciton energy levels in  $\text{Cu}_2\text{O}$ .  
 L. Hrivnak (Komenský Univ., Bratislava), *Czechoslov. J. Phys.* 10, No. 2, 100-1 (1960) (in English).—H. presents a short theoretical consideration and derives an order-of-magnitude agreement of the temp. dependence of exciton energy levels of  $\text{Cu}_2\text{O}$ . H. employs the formula for the frequency of optical lattice vibrations (Kittel, *Introduction to Solid State Physics*, 1953, CA 47, 9132e) and results from the publication by Norwood and Briscoe (CA 53, 2726e) on KCl.  
 A. Krensheller

2  
MJC(JD)

S/058/62/000/008/073/134  
A061/A101

AUTHOR: Hrivnák, L.

TITLE: Determination of the forbidden band width in some semiconductors

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 23, abstract 8E176  
("Chekhosl. fiz. zh.", 1961, v. B11, no. 11, 808 - 810, English;  
summary in Russian) ✓

TEXT: The formula derived by the author (RZhFiz, 1961, 9E252) for the  
forbidden band width is compared with experimental data for GaSb, InAs, InSb,  
and InSb, GaSb semiconductors. The fit is good.

[Abstracter's note: Complete translation]

Card 1/1

ACCESSION NR: AP4040793

Z/0055/64/014/006/0459/0468

AUTHOR: Hrivnak, L.

TITLE: The dependence of current density on the electric field strength in homopolar semiconductors

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 14, no. 6, 1964, 459-468

TOPIC TAGS: semiconductor, homopolar semiconductor, distribution function, conduction electron, current density, electric field strength, electron mobility

ABSTRACT: The distribution function is derived for conduction electrons in a semiconductor acted upon by a homogeneous electric field. This function can serve to explain deviations from Ohm's law in homopolar semiconductors in strong electric fields or at low temperatures. It is assumed that the influence of collisions can be represented by the relaxation time. According to equation (25), the

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ACCESSION NR: AP 4040793

lower the temperature  $T$ , the weaker are the fields at which the deviation from Ohm's law is apparent. The distribution function also serves to explain the temperature dependence of the electron mobility. The mobility increases with decreasing temperatures, reaching a maximum at the critical temperature determined by equation (49), then decreases with further reduction of temperature, the electric field being constant. Orig. art. has: 2 figures.

ASSOCIATION: Department of Physics, Transport College, Zilina

SUBMITTED: 15Aug63

ENCL: 00

SUB CODE: EC

NO REF SOV: 000

OTHER: 007

Card 2/2

HRIVNAK, I.; OZVOLD, M.

Dependence of ultrasonic attenuation in semiconductors on electric field strength. *Chekoshi fiz zhurnal* 15 no. 4: 251-256 '65.

1. Higher School of Transportation, Zilina, Marxa-Engelsa 25 (for Hrivnak). 2. Institute of Physics of the Slovak Academy of Sciences, Bratislava, Dubravska cesta (for Ozvold). Submitted August 29, 1964.

SECRET

12/01/55 (65-11) (40-015) (100)

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Card 1



S/081/62/000/023/117/120  
B117/B186

AUTHORS: Lacko, Vladimír, Hrivnák, Pavel

TITLE: Method of producing polyethylene terephthalic fiber

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 779, abstract  
23P696. (Czechosl. patent 100838, September 15, 1961)

TEXT: The polyester fiber is stretched in the water bath at 60 - 80°C. The fiber to be stretched arrives in the heated state, its heating having been accomplished at the last spinneret immediately before the stretching.  
[Abstracter's note: Complete translation.]

✓

Card 1/1

Hrivnak, R.

Forging hollow cylindrical pieces. p. 267. HUTNIK. (Ministerstvo hutniho prumyslu a rudnych dolu) Praha. Vol. 4, no. 9, Sept. 1954.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

V 14230\* Reasons for Rejects in Drop Forging and Methods of  
Decreasing the Number of Rejects. Přečiny umetkã při volném  
kování a jejich snížení. (Czech.) Rudolf Hřívák. Hutník  
v. 5. no. 6, June 1955, p. 176-180  
Various types of defects analyzed. Diagrams.

of

HRIVAK, R.

✓ Origin and Prevention of Flake-Formation in Forgings on  
Cooking. R. HRIVAK. (*Metall. (Prague)*, 1958, 8, 3),  
71-70. (In Czech) A survey is made of principles and  
methods related to the avoidance of flaking, with special  
reference to Soviet practice. — I. L.

of

MRIVNAK, Stefan, inz.

Conference on productivity, quality, and economy. Drevno 19 no.4:  
154 Ap '64

HRIVNAK, Stefan, inz.

Some problems of the Czechoslovak secondary industrial schools.  
Drevo 20 no.3:109-110 Mr '65.

1. Novy domov National Enterprise, Spisska Nova Ves.

AUTHOR: Hrivňáková, Dáša.

CZECH/34-59-7-8/22

TITLE: Influence of Deformation in the Cold State on the Block Structure of Pure (99.999%) Aluminium (Vplyv studenej deformácie na blokovú štruktúru čistého hliníka (99.999% Al))

PERIODICAL: Hutnické Listy, 1959, Nr 7, pp 598-602 (Czechoslovakia)

ABSTRACT: The experiments were carried out with 99.999% Al in the as-cast state and in recrystallized specimens. The recrystallized material was first subjected to an 80% reduction and then to annealing at 500°C for two hours. Carbon extraction and oxide replicas were used. The experimental work was carried out in the Laboratórie elektrónovej optiky (Electron-Optics Laboratory), VÚS, Bratislava. Some of the obtained photographs are reproduced in Figs 1-12. The results indicate that deformation in the cold state brings about fragmentation of the block structure at the loci of the highest creep of the material. Smaller reductions brought about deformation of the blocks as well as angular deorientation. Large angular deorientation, which could occur as a result of twinning, has not been observed. On the grain

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CZECH/34-59-7-8/22

Influence of Deformation in the Cold State on the Block Structure of Pure (99.999%) Aluminium

boundaries fragmentation zones were detected in the material both in the as-cast and in the recrystallized states. The average magnitudes of the block dimensions were found to be in agreement with literary data obtained by X-ray methods (Y. S. Umanskiy, L. Kh. Pivovarov, Zavod. Lab., 1958, Nr 5). There are 12 figures and 8 references, 1 of which is Czech, 4 English, 1 German and 2 Soviet.

ASSOCIATION: SVŠT, Bratislava

SUBMITTED: September 15, 1958



Card 2/2

2

FARA, W.; HRIVNAKOVA, J.

Surgical treatment in advanced forms of Recklinghausen's neuro-  
fibromatosis. Acta chir. orthop. traum. cech. 30 no.6:476-483  
D\*63.

1. Klinika plasticke chirurgie lekarske fakulty hygienicke KU  
v Praze; prednosta: prof. dr. V.Karfik.

\*

BREJCHA, M.; FARA, M.; HRIVNAKOVA, J.

Bone changes in Recklinghausen's neurofibromatosis. Acta  
chir. orthop.traum. cech. 30 no.6:484-489 D'63.

1. Ustredni rentgenologicke oddeleni fakultni nemocnice v  
Praze 10, (vedouci: prof. dr. R. Blaha) a Klinika plasticke  
chirurgie lekarske fakulty hygienicke KU v Praze, (prednosta:  
prof.dr. V.Karfik ).

\*

FARA, M.; CHLUMSKA, A.; HRLVNAKOVA, J.

Musculus orbicularis oris in incomplete hare-lip. Acta chir.  
plast. 7 no.2:125-132 '65

1. Clinic of Plastic Surgery, Medical Faculty of Hygiene,  
Charles University, Prague, Czechoslovakia (Director: Prof.  
V. Karfik, M.D., D. Sc.) and Institute of Pathology, Medical  
Faculty of Hygiene, Charles University, Prague (Director:  
Doc. J. Stolz, M.D.).

FADA, M.; BRIVNAROVA, J.

The problem of protruding premaxilla in bilateral total clefts.  
Acta chir. plast. (Praha) 7 no.4:281-296 '65.

1. Department of Plastic Surgery, Charles University, Prague,  
Czechoslovakie (Director: Prof. V. Karfik, M.D., D. Sc.).

21298

18.8200 2808, 4016, 1418

Z/032/61/011/006/002/004  
E073/E335

AUTHOR: Hrkal, L. (Radotin)

TITLE: Propagation of Cracks in Brittle Materials

PERIODICAL: Strojirenstvi, 1961, Vol. 11, No. 6,  
pp. 432 - 434

TEXT: The basic theory of brittle fracture of materials was published by A.A. Griffith in 1920 (Ref. 1: Phil. Trans. Roy. Soc. A 221, p. 163). It was based on the balance of the energy released by the growth of the crack and the energy consumed by the increase of the surface tension at the edge of the cracks. E. Orowan and D. Felbeck (Ref. 2: 1955, Welding J. W. R.S., p. 570) and other authors extended the work of Griffith and modified the formula to include information expressing the conditions of formation of brittle fractures in metals. For the nominal uniformly distributed tensile stress ( $\text{kg/cm}^2$ ) acting on a specimen, the following formula for the brittle fracture from an initial defect of the characteristic size  $\ell$  in cm was derived:

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Z/032/61/011/006/002/004  
E073/E335

Propagation of Cracks ....

$$\sigma_{cr} = \sqrt{EK} / \sqrt{l}$$

where E - elasticity modulus,  
K - material constant.

J. Němec (Ref. 3: ČSAV, Prague, 1961 - Rigidity and Strength of Steel Parts) extended this formula to include local stress concentration at the root of the initial defect, i.e. not the initial influence of the length of the crack but the influence of the entire critical effect of the notch  $\beta_{cr}$ , the influence of the gradient of the basic stress, the influence of the relative size of the body,  $h/h_0$  and the influence of the reduced internal stress,  $\kappa\sigma_r$ . He obtained the following formula:

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Propagation of Cracks ....

$$\sigma_{cr} = \frac{\sqrt{E\lambda}}{\beta_{cr}} \frac{c}{\sqrt{1 + \ln \frac{h}{h_0}}} - \kappa \sigma_r$$

where C is a function of the stress gradient.

The study described in this paper was aimed at elucidating the following questions:

- a) do sharp notches and scratches on the surface have a greater directional effect on the growth of a brittle crack than other factors, particularly in the internal stresses?
- b) How does the progress of cracks change on passing through highly variable stress fields?
- c) Have internal stresses, which are low compared with the strength of the material, any fundamental influence?
- d) What is the effect of limited pressure zones on the

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E073/E335

Propagation of Cracks ....

progress of a crack?

e) What is the interaction between the root of the crack and locally increased internal stresses?

The tests were carried out on perspex, which has good photo-elastic properties and a pronounced brittleness under normal experimental conditions. Brittle fractures were produced from roots of fine notches, 2 mm wide, 3 mm deep, by striking a wedge placed into the notch. The size and shape of the initial notch and the size and thickness of the perspex plate were the same for all the experiments. The energy for forming the cracks was within the limits of 8-10 kgcm. In rapid tensile tests, the modulus of elasticity was found to be  $2.74 \times 10^4$  kg/cm<sup>2</sup>; there was no appreciable permanent deformation at the root. At the point of the initial notch, the dynamic peak stress required to initiate spreading of the crack was estimated at 500 - 600 kg/cm<sup>2</sup>. Local internal stresses were produced by putting the plate into a vice and the pressure was applied with a ring of 10 mm external diameter and 4 mm internal diameter, immediately prior to the

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Propagation of Cracks ....

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E073/E335

tests, at a temperature between 15 and 18 °C, so as to prevent appreciable stress relaxation. A specific pressure of 60 kg/cm<sup>2</sup> was applied. The results are illustrated by means of photographs. Figs 2 show the local stress increase in the root of the notch; Figs. 3 and 4 indicate the influence of surface scratches; Fig. 5 indicates the deflection of the direction of extension of the crack towards the centre of internal stresses; Fig. 6 shows the deflection of the direction of the crack propagation in the case of greater distances between the focus of the crack and the area of internal stress concentration; Fig. 8 shows the influence of the centre of internal stresses on the propagation of the crack. The following conclusions are arrived at:

- 1) brittle cracks form very easily if an initial stress concentration  $\beta$  is generated in the brittle material during the impact.
- 2) Surface micro-notches have a secondary influence which increases with increasing size (length) of the crack.

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Propagation of Cracks ....

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3) An area of biaxial compression stresses will stop reliably the extension of cracks, which propagate at a speed of the order of 1 000 m/sec.

4) Internal tensile stresses, even if very low (less than 10% of the static strength), have an appreciable effect on the formation and progress of brittle fractures.

There are 8 figures and 3 references: 2 non-Czech and 1 Czech. The English-language references are:

Ref. 1: A.A.Griffith, 1920, Phil. Trans.Roy.Soc. A 221, p. 163 and Ref. 2: Orowan, E., Felbeck, D.K. Welding J. W R S, p. 570.

Card 6/8

Distr: 4E2o

15 27

The electrolytic deposition of tin from aqueous salt solutions formed in the refining of lead by the Harris process. Ferdinand Franz and Miroslav Hrkal (Vysoká škola chem. technol., Prague). Sbornik vysoké školy chem. technol. v Praze 1957, 23-33.—Attempts were made to obtain Sn by electrolyses of solns. made by dissolving the by-product in the Harris refining process for Pb. Cathodic current yield increased with increasing concn. of Sn and decreased with higher c.d. and increasing concn. of NaOH. Increasing c.d. increased the rate of Sn deposition. To make perfect use of time and current, higher c.ds. are recommended for higher Sn concns. and lower c.ds. are recommended for lower Sn concns.

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M. Hrusky

VODRAZKA, Z.; CEJKA, J.; HRKAL, Z.

"Physical chemistry of macromolecules" by C. Tanford. Reviewed  
by Z. Vodrazka, J. Cejka, Z. Hrkal. Chem listy 58 no. 2:248-  
249 F '64.

CZECHOSLOVAKIA/Nuclear Physics - Installations and Instruments. C  
Methods of Measurement and Research

Abs Jour : Ref Zhur Fizika, No 10, 1959, 21961

Author : Kubal, Josef; Benes, Jaroslav; Hrkal, Zbynek

Inst : Institute of Nuclear Physics, Czechoslovak Academy of Sciences, Prague, Czechoslovakia

Title : A Nuclear Emulsion was Prepared by the Ordinary Method with a Weight Ratio of Silver Bromide in the Gelatine Equal to 6.4.

Orig Pub : Ceskosl. casop. fys., 1958, 8, No 5, 608-613

Abstract : The Cd<sup>2</sup> ions were introduced in the form of CdPr<sub>2</sub>. The chemical sensitizer used were diphenyl amine 2p-diphenyl amine styryl benzo thiazol. Plates with emulsion layer thicknesses of 35 and 70 microns were bombarded with alpha particles from Pe210, electrons, and visible light.

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CZECHOSLOVAKIA/Nuclear Physics - Installations and Instruments. C  
Methods of Measurement and Research

Abs Jour : Ref Zhur Fizika, No 10, 1959, 21961

procedure of the development of the plates, the determination of the sensitivity, and the investigation of the particle tracks was standard. Experiment has shown that an increase in the contents of the Cd ions in the emulsion decreases the dimensions of the grains, increases their homogeneity and density. The magnitude of the grains was not measured directly and the influence of the Cd ions on the structure of the emulsion was determined from a change in the coefficient of contrast. The contrast coefficient, even with the CdBr<sub>2</sub> content of one molar percent, was increased considerably and then remained constant. In the author's opinion, this indicated that an iso-dispersed phase has been reached. The sensitivity of the emulsion increased with the increasing concentration of cadmium ions. Thus, in irradiation with electrons from the decay of C<sup>14</sup>, the sensitivity was

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Nuclear Physics - Installations and Instruments. C  
Methods of Measurement and Research

CZECH/37-59-2-3/20

## On the Sensitivity and Regression of Silver Bromo Iodide Nuclear Emulsions

measurement was repeated at least twice (see also Ref 14). The dependence of the sensitivity to visible light on the concentration of AgI is shown in Fig 1. Curve 1 shows the sensitivity of a non-sensitised emulsion, while Curve 2 shows that of a sensitised emulsion. The sensitivity increases with increasing concentration of AgI to 3 mol%, then decreases up to 5½ mol%, and afterwards increases again. From 4 mol%,  $\gamma$  decreases, which shows an increase in grain size from this concentration of AgI upwards. The same conclusion regarding grain size was reached from measurements with  $\alpha$ -particles. The sensitivity to electrons is an entirely different function of the concentration of AgI (Fig 2). Up to 3 mol% the sensitivity is constant, it decreases somewhat to 6½ mol% and then again remains constant. For  $\alpha$ -particles, the sensitivity increases up to 3 mol% while a further increase is disadvantageous because of the increased grain size. Regression was generally slowed down by the addition of AgI. Emulsions containing 1 or 3 mol% AgI behaved, from the point of view of regression, identically. The regression for visible light is relatively slow.

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CZECH/37-59-2-3/20

On the Sensitivity and Regression of Silver Bromo Iodide Nuclear Emulsions

A regression coefficient of 50 was achieved in an AgBr emulsion after 16 days, in an AgBr and AgI emulsion after 24 days. The regression for visible light was studied at 18 °C for 65 days. Fig 3 shows the regression for an emulsion containing 1 mol% AgI. Sensitised emulsions show more regression of the latent image produced by visible light than non-sensitised emulsions. However, this apparently varies from sensitizer to sensitizer (Refs 10, 17). The regression for electrons is shown in Fig 4a, for a sensitised AgBr emulsion, for two temperatures: 18° and 4 °C. The same dependence for an AgBr + AgI emulsion is shown in Fig 4b. The higher temperature obviously increases the rate of regression. The regression for electrons in sensitised emulsions is slower than in non-sensitised emulsions. The same can be said for  $\alpha$ -particles and this is shown in Fig 5. Hypersensitisation of nuclear emulsions is known from Refs 19-21. We have tried hypersensitisation by

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On the Sensitivity and Regression of Silver Bromo Iodide Nuclear Emulsions

triethanolamin (Refs 19-21) on AgBr + AgI emulsions and achieved a 10.6-fold increase in sensitivity to electrons.

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There are 7 figures, 3 tables and 21 references, of which 8 are Soviet, 9 English, 2 Czech and 2 French.

ASSOCIATION: Ústav jaderné fyziky ČSAV a Fyzikální ústav Karlovy university, Praha  
(Department of Physics, Charles University, Prague)

SUBMITTED: September 10, 1958



HRKAL, ZBYMEK

19  
✓ Nuclear emulsion for neutron dosimetry. Jaroslav  
Beneš, Zbyněk Hrkal, Josef Kubal, and Lenka Tomášková  
(Czech. Acad. Sci., Prague). *Jaderná energie* 5, 403-12  
(1959).—A nuclear emulsion filled with B was found better  
than one filled with Li. B was added as borax +  $H_2BO_3$  to  
a B content of  $0.326 \times 10^{-3}$  g./sq. cm., with a layer thick-  
ness of 75  $\mu$ , the B compds. being mixed with the other  
emulsion ingredients before its prepn., in order to ensure  
uniformity. The sensitivity of the emulsion and its repro-  
ducibility were tested for  $\alpha$ -particles from  $Po^{210}$ , electrons  
from  $C^{14}$ , and visible light. The neutron calibration was  
carried out with a Po-Be source in paraffin. The emulsion  
was tested as a personal dosimeter. H. Newcomer

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HRMOVA, Renata

Semigroups in which every proper left ideal is a group. Mat  
fys cas SAV 11 no.1:75-80 '61.

1. Katedra matematiky, Slovenska vysoka skola technicka, Brati-  
slava, Gottwaldovo namesti 2.

HRNCAREK, R.; HAVRLANT, J.; SKALA, M.;

Technological development of the casting of torsion bar  
girders. Slevarenstvi 11 no.10:425-426 0 '63.

1. Tatra, n.p., Koprivnice.

CZECHOSLOVAKIA

UDC 616.594.11-092

HRNCIAR, J.: Internal Department, Krajsky Institute of National Health (Interne Oddelenie KUNZ), Banska Bystrica, Head (Primar), Dr A. SITAR.

"Some Pathogenic Aspects of Benign Hirsutism."

Prague, Casopis Lekaru Ceskych, Vol 105, No 45, 11 Nov 66, pp 1220 - 1227

Abstract [Author's English summary modified]: Two-thirds of benign hirsutism have an adrenal character. Typical anomaly is due to an increased sensitivity of the adrenal cortex to slight ACTH stimulation, and to a blocking of exogenous glucocorticoids, mainly in response to 17KS in the urine. Only rarely is the condition due to late manifestations of enzyme deficiencies of adrenal 21-hydroxylases. Predominance of 17KS over 17OHS in urine is due to secondary factors developed against hyperandrogenic background in hirsutic women. No correlation between vitamin C level and urinary levels of 17KS and 17OHS was found. Classification of 70 women into 5 different groups is discussed. 5 Figures, 4 Tables, 49 Western, 8 Czech, 1 Russian reference. (Manuscript received Apr 65).  
1/1

APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618220016-5"

HRNCIAROVA, M.; BIELIK, E.; HRNCIAR, J.; GALIK, L.

Hyperinsulinism. Diagnostic and therapeutic aspects. Cas.lek. cesk. 103 no.12: 57-62 20 Mr'64.

1. Interne oddelenie (veduci MUDr.A.Sitar). Ustredna laboratorium (veduci: MUDr. E.Belik) a neurologicke oddelenie (vedouci: MUDr. L.Galik) KUNZ v Banskej Bystrici.

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HRNCIAR, J.; HRNCIAROVA, M.; GUNCAGA, J.

3 forms of paroxysmal myoplegia. Cas. lek. cesk. 104 no.6:145-151  
12 F'65.

1. Interne oddelenie Krajskeho ustavu narodniho zdravi v Banskej  
Bystrici (veduci: MUDr. A. Sitar) a Ustredni biochemicke laborato-  
rium Krajskeho ustavu narodniho zdravi v Banskej Bystrici (veduci:  
MUDr. E. Bilek)..

HRNCIAR, Jan, inz.

On some advantages of the Simazine. Agrochem 2 no.2:43 '62.

1. Odbor Slovenskeje narodnej rady pre polnohospodarstvo.

CZECHOSLOVAKIA

UDC 616.592.11

HRNCIAR, J.; Internal Department Krajsky Institute of National Health (Interne Oddelenie KUNZ), Banska Bystrica, Head (Primar) Dr A. SITAR.

"Some Clinical Aspects of Benign Hirsutism."

Prague, Casopis Lekaru Ceskych, Vol 105, No 44, 4 Nov 66, pp 1201 -1204

Abstract [Author's English summary modified]: The pathological aspects and the symptoms of hirsutism are heterogenous; there is no difference between ovarian and adrenal hirsutism as far as the amount and distribution of the hair is concerned. Hirsutism, obesity, and endocraniosis are coinciding symptoms without causal mutual relationship. Approximately a quarter of the cases has the clinical picture of the Stein-Leventhal syndrome. The frequent finding of increased alpha<sub>2</sub>- and gamma-globulin levels in hirsutic women is due to overproduction of cortisole, a biologically potent androgen. 2 Figures, 5 Tables, 11 Western, 8 Czech references. (Manuscript received Apr 65).

1/1

- 10 -

HRNCIAR, J.

Possibilities of diagnostic errors in pheochromocytoma. Bratisl. lek. listy 44 no.4:237-245 31 Ag '64.

1. Interne oddelenie Krajskeho narodniho vyboru v Banskej Bystrici (veduci prim. MUDr. A. Sitar).

HRNCIAR, J.; GUNCAGA, J.; HRNCIAROVA, M.; LICHARDUS, B.; BIELIK, E.;  
STANGELOVA, D.

Hyperkalemic and hypokalemic forms of paroxysmal myoplegia. Cas.lek.  
cesk 101 no.7:211-218 16 F '62.

1. Interni oddelenie KUNZ v Banskej Bystrici, prednosta MUDr. A. Sitar.  
Ustredne laboratorium KUNZ v Banskej Bystrici, prednosta MUDr. E. Bielik.  
Endokrinologicky ustav SAV, Bratislava, riaditel MUDr. J. Podoba.

(POTASSIUM blood) (MUSCLES diseases)

HANCOCK, J.

- BRITAIN, ENGLISH, LEAVES 1971, Vol. VIII, no 2, 62 (177)  
Copyright 1971
1. Epidemiological problems of the epidemic hepatitis in Slovakia, Czechoslovakia  
 a. GAZDAR, A. in: Journal of Epidemiology and Microbiology, 1971, 10, 1, 1-10. (English summary)  
 b. GAZDAR, A. in: Journal of Epidemiology and Microbiology, 1971, 10, 1, 1-10. (English summary)  
 c. GAZDAR, A. in: Journal of Epidemiology and Microbiology, 1971, 10, 1, 1-10. (English summary)
  2. The clinical medicine (Klinik der Infektionskrankheiten), 1971, 10, 1, 1-10. (English summary)
  3. Hepatitis B virus, 1. HANCOCK, J. in: Journal of Epidemiology and Microbiology, 1971, 10, 1, 1-10. (English summary)
  4. Hepatitis B virus, 2. HANCOCK, J. in: Journal of Epidemiology and Microbiology, 1971, 10, 1, 1-10. (English summary)
  5. A case of epidemic typhus in the South Region of the Republic of China, 1971, 10, 1, 1-10. (English summary)
  6. The cases of pseudotuberculosis in pancreas treated by internal medicine, 1971, 10, 1, 1-10. (English summary)
  7. Contributions to the problem of hyperparasitism (Oxyuris enterina) in Slovakia, 1971, 10, 1, 1-10. (English summary)

HRNČIAR, J; ŠTEKL, J.

Czechoslovakia

Endocrinological Ambulatory with the Internal  
Medicine Ward of the Kraj Institute of Public  
Health -- Banský Bystric (Endokrinologicki  
ambulancia pri internom oddelení Krajského  
ústavu národného zdravia -- Banský Bystric);  
Head: A. SITAR, MD; Surgical Ward KUNZ --  
Banský Bystric (Chirurgicki oddelenie KUNZ --  
Banský Bystric); Head: D. PETELEN, MD. -  
(for all)

Bratislava, Lekarsky Obzor, No 1, 1963, pp 27-33

"Problems with the Surgical Treatment of Toxic  
Goiter."

HRNCIAR, Pavol, promovany chemik, CSc.

On phthalides and indandiones - (1,3). Pt.15. Chem zvesti 17  
no.9:666-671 '63.

1. Katedra organickej chemie a biochemie, Prirodovedecka fa-  
kulta univerzity Komenskeho, Bratislava, Smeralova 2.

UR. CIA, I.; HRAD. I. I.; F. 1986, 11.

Preparation of some cyclic phthalides and their conversion to  
indenylidene derivatives-(1,3). I. Naphthal phthalide and some of its  
derivatives. p.12. CHEMICKÉ ZVŠTI. (Slovenské chemické vied a  
Spoloč chemikov na Slovensko). Bratislava.

SOURCE: East European Accessions List, (EEAL), Library of Congress  
Vol. 5, no. 10, December 1966.

HRNCIAR, P.

"Preparation of some cyclic phthalides and their transposition to the derivatives of indandione-(1,3) (II) 2-coumarinyl-(3)-indandione-(1,3)."

p. 445 (Acta, Vol. 1, no.10, 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (SEAI) LC, Vol. 7, no. 9,  
September 1958

P. HENCÍAR

Phthalides and 1,3-indandiones. III. Preparation of halo and nitro derivatives of  $\alpha$ -naphthalphthalide and 2-( $\alpha$ -naphthyl)-1,3-indandione. The chemistry of naphthalene and 1,3-indandione: M. Furdík and P. Henciár (Komenský Univ., Bratislava, Czech.). *Chem. zvesti*, 12, 484-78 (1958) (German summary); cf. C.A. 50, 14674a. — New derivs. of 2-( $\alpha$ -naphthyl)-1,3-indandione (I), halogenated or nitrated on the 4-position of the naphthalene ring are synthesized with halo or nitro derivs. of  $\alpha$ -naphthalphthalide. The following derivs. are described (substituent on the  $\alpha$ -naphthyl group in I and m.p. given): 4-Cl (II), 212-13°; 4-Br (III), 215-16°; 4-I (IV), 204-5°; 4-NO<sub>2</sub> (V), 217°. The reactivity of the  $\alpha$ -position of the naphthalene ring enhances to a great extent the reactivity of the 4-position in  $\alpha$ -naphthalphthalide. Also new derivs. of I simultaneously halogenated and nitrated also in the position 2 on the indandione group are synthesized, for 2-Cl deriv. (respective substituted compd. and m.p. given): II, 146°; III, 143°; IV, 144°; V, 199-202°; for 2-Br deriv. (the same data): II, 145-7°; III, 155-7°; IV, 150-3°; V, 208-11°; for 2-iodo deriv. II, 114°; III, 124°; IV, 128°; V, 149°; for 2-NO<sub>2</sub> deriv., II, 151-2°; III, 201-3°; IV, 158-60°; V, 165-7°. A considerable thermal instability was detd. for substituents in positions 2 on the indandione and 4 on the naphthalene rings.

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 201 ay  
 412 3cl  
 412 2cl gj

jj



Distr: 4E2c(j)/4E3d/4E3b

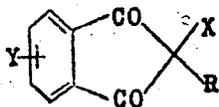
✓ Phthalides and 1,3-indandiones. VII. 2-(Fluorophenyl)-1,3-indandiones. Pavel Hrnčiar (Komenský Univ. přírodovědecká fakulta, Bratislava, Czech.). *Chem. zvesti* 14, 119-23(1960)(German summary); cf. CA 53, 10149a. Prep. of 2-(*o*-, *m*-, or *p*-fluorophenyl)-1,3-indandione, m. 149-51°, m. 150-60°, or m. 121-3°, resp., from the corresponding phthalide was described. The corresponding fluorobenzaldehyde (4.8 g.) was heated with 160 ml. MeOH and 0.8 g. Na on the water bath for 1 hr. and neutralized with 20% HCl after cooling. The ppt. of 2-(*o*- or *m*-fluorophenyl)-1,3-indandione were crystd. from EtOH and of *p*-deriv. from CCl<sub>4</sub>. The prep. of *o*-, *m*-, or *p*-fluorophenylacetic acids, m. 64° (water), m. 45° (benzene-petr. ether), or m. 86° (water), was described. The corresponding fluorobenzyl cyanide (27 g.), 30 ml. 96% H<sub>2</sub>SO<sub>4</sub> and 18 ml. H<sub>2</sub>O was heated and hydrolyzed while boiling 40-60 min. The mixt. was poured into 200 ml. H<sub>2</sub>O and the ppt. dissolved in NaHCO<sub>3</sub>; the corresponding fluoracetic acid was pptd. with HCl. Jan Míček

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 1-BW(BLW)  
 2-Joff (H.R.) (mcy)  
 3

s/081/63/000/002/087/088  
B144/B186

AUTHORS: Furdík, Mikuláš, Maňásek, Zdeněk, Hrnčiar, Pavol  
 TITLE: Method for preparing 2-chlorobutadiene-1,3 polymer  
 PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 586, abstract  
 2T415 (Czechosl. patent 100478, Aug. 15, 1961)

TEXT: Chloroprene is polymerized or copolymerized with monoolefins in the presence of indan dione-1,3 derivatives of the general formula



where X is a halogen, R is H, a halogen, acyl, phenyl or

naphthyl (the last two either unsubstituted or substituted with halogen, NO<sub>2</sub>, CN-CH<sub>3</sub>, halogen-NO<sub>2</sub>, halogen-CN, CH<sub>3</sub>-halogen, CH<sub>3</sub>-CN, or NO<sub>2</sub>-CN, with ≤ 13 C atoms), Y is H, a halogen, NO<sub>2</sub>, CN, CH<sub>3</sub>. The polymers can be easily processed and are durable. The polymerisation velocity at 5°C is

Card 1/2

Method for preparing ...

8/081/63/000/002/087/088  
B144/B186

markedly higher than with the use of benzyl iodide. [Abstracter's note:  
Complete translation.]

Card 2/2

HRNCIAR, P.

On phthalides and indanones. Pt.9. Acta r nat Univ Com 6 no.11:  
601-609 '61.

1. Katedra organickej chemie a biochemie, Universita Komenskeho,  
Bratislava, Smeralova 2.

HRNCIAR, Pavol, promovany chemik, C.Sc. (Bratislava, Smeralova 2); PODANY,  
Vlastimil, inz. (Bratislava, Smeralova 2)

On phthalides and indandiones-(1,3) (VIII); Meerwein-Ponndorf reduction  
of 2-(p-X-aryl)-indandiones-(1,3) and its polarographic evaluation.  
Chem zvesti 15 no.10:713-720 0 '61.

1. Katedra organickej chemie a biochemie Prírodovedeckej fakulty Univerzity  
Komenskeho (for Hrnčiar). 2. Katedra analytickej chemie Prírodovedeckej  
fakulty Univerzity Komenského (for Podany).

HRNCIAR, Pavel, promovany chemik, C.Sc.

On phthalides and indandiones-(1,3). Part 10: Condensation of the phthalic anhydride with arylvinegar acids under the Perkin's reaction. Chem zvesti 16 no.1/2:96-104 Ja-F '62.

1. Katedra organickej chemie a biochemie Prirodovedackej fakulty Univerzity Komenskeho, Bratislava, Smeralova 2.

FURDIK, Mikulas, prof., inz.; VACOKOVA, Vlasta, promovany chemik;  
HRNCIAR, Pavel, promovany chemik, C.Sc.

On phtalides and indandiones-(1,3). Part 13: Examination of  
the reaction of 2-phenylindandione-(1,3) and of 2-( $\alpha$ -naphtyl)  
-indandione-(1,3) with esters of monohalogen acetic acids  
dihalogen acetic acids. Chem zvesti 16 no.7:532-541.  
Jl '62.

1. Katedra organickej chemie a biochemie, Prirodovedecka  
fakulta university Komenskeho, Bratislava, Smeralova 2.

HRNCIAR, Pavel, promovany chemik, C.Sc.

On phthalides and indandiones-(1,3). Part 12: Substitution of 2-(halogenphenyl)-indandiones-(1,3) by chlorine, bromine and rodan group in position 2. Chem zvesti 16 no.9:673-677 S '62.

1. Katedra organickej chemie a biochemie, Prirodovedecka fakulta, Universita Komenskeho, Bratislava, Smeralova 2.

HRNCIAR, P.; ZACHAROVA, D.

On phthalides and mandiones- (1,3). Pt. 17. Acta r nat Univ  
Com 8 pt. 10 no.7:587-598 '64.

L 00167-66 EWA(j)/EPF(c)/EWP(j)/EWA(b)-2 RM  
ACCESSION NR: AP5025526

CZ/0043/65/000/005/0360/0370

AUTHOR: Hrnčiar, P. (Grnčiar, P.) (Docent, Candidate of sciences)

TITLE: Phtalides and Indan-1,3-diones (XVI). Preparation of 4-arylmethylenecinchomerionides and 2-aryl-5-aza~~indan~~-1,3-diones 7,44,55

SOURCE: Chemické zvesti, no. 5, 1965, 360-370

TOPIC TAGS: organic nitrogen compound, chlorinated organic compound, fluorinated organic compound, brominated organic compound

ABSTRACT: [Author's English summary]: 4-arylmethylenecinchomerionides were prepared by condensation of cinchomeronic acid anhydride with arylacetic acid. Comparison of the yields of cinchomerionides and phtalides is evaluated. Pseudoethers are obtained by addition of methanol or ethanol to cinchomerionides. Sodium methanolate in a solution of methylalcohol causes a rearrangement. 2-aryl-5-aza~~indan~~-1,3-diones are formed. Derivatives of nicotinic acid are prepared by hydrolysis of cinchomerionides. 4-phenyl-

Card 1/2

L 00167-66  
ACCESSION NR: AP5025526

9  
acetylnicotinic acid with diazomethane yields N-methylbetaine.  
N-methyl-2-aryl-5-azaindan-1,3,-dione betains were prepared from  
2-aryl-5-azaindan-1,3,-diones with dimethylsulfate. "J. Grnakova and  
D. Stefkova, of the Chemistry Laboratory, Natural Sciences Faculty, Comenius  
University, are thanked for performing the analysis." Orig. art. has: 3 figures  
and 5 tables.

ASSOCIATION: Katedra Organickej Chemie a Biochemie Prirodovedeckej Fakulty  
Univerzity Komenskeho, Bratislava (Department of Organic Chemistry and Bio-  
chemistry, Faculty of Natural Sciences, Comenius University). 44.55

SUBMITTED: 22Oct64

ENCL: 00

SUB CODE: OC, GC

NR REF SOV: 004

OTHER: 016

JPRS

SW  
Card 2/2

ACC NR: AP602737L

SOURCE CODE: CZ/0043/66/000/004/0261/0266

AUTHOR: Hrnčiar, Pavel--Grnčiar, P. (Docent; Candidate of sciences; Bratislava);  
Zacharova, Dagmar--Zácharová, D. (Graduate chemist; Bratislava)

B

ORG: [Hrnčiar] Department of Organic Chemistry and Biochemistry, Faculty of Natural Sciences, Comenius University, Bratislava (Katedra organickej chémie a biochémie Prírodovedeckej fakulty Univerzity Komenského); [Zacharova] Department of Analytical Chemistry, Faculty of Natural Sciences, Comenius University, Bratislava (Katedra analytickej chémie Prírodovedeckej fakulty Univerzity Komenského)

TITLE: Phthalides and indinedions - (1,3) (XX). Study of possible applications of 2-(p-halogen-phenyl)-5-azaindene-1,3-dions as acidobasic indicators

SOURCE: Chemické zvesti, no. 4, 1966, 261-266

TOPIC TAGS: chemical indicator, spectrophotometric analysis, UV spectrum

ABSTRACT: Spectrophotometric investigation in the visible and the ultraviolet light region of the F, Cl, and Br derivatives of ~~2-(p-halogenophenyl)-5-azaindene-1,3-dions~~ was made at various pH values. A sharp color change between the pH of 4.7 and 5.8 was found. At pH 4.7 the solution is violet, at pH 5.8 it is orange-yellow. Orig. art. has: 3 figures, 5 formulas and 1 table. [JPRS: 36,464]

SUB CODE: 07, 20 / ~~7~~ SUBM DATE: none / ORIG REF: 002 / SOV REF: 002

Card 1/1 vlr



HRNCIAR, J.; HRNCIAROVA, M.; GUNCAGA, J.

3 forms of paroxysmal myoplegia. Cas. lek. cesk. 104 no.6:145-151  
12 F'65.

1. Interne oddelenie Krajskeho ustavu narodniho zdravi v Banskej  
Bystrici (veduci: MUDr. A. Sitar) a Ustredni biochemicke laborato-  
rium Krajskeho ustavu narodniho zdravi v Banskej Bystrici (veduci:  
MUDr. E. Bilak)..

HRNCIAR, J.; GUNCAGA, J.; HRNCIAROVA, M.; LICHARDUS, B.; BIELIK, E.;  
STANGELOVA, D.

Hyperkalemic and hypokalemic forms of paroxysmal myoplegia. Cas.lek.  
cesk 101 no.7:211-218 16 F '62.

1. Interni oddelenie KUNZ v Banskej Bystrici, prednosta MUDr. A. Sitar.  
Ustredne labororium KUNZ v Banskej Bystrici, prednosta MUDr. E. Bielik.  
Endokrinologicky ustav SAV, Bratislava, riaditel MUDr. J. Podoba.

(POTASSIUM blood) (MUSCLES diseases)

*HRNCLAROVA*

HRNCLAR, J.; GUNCAGA, J.; HRNCLAROVA, M.; BIELIK, E.

Erythrocytes as an indication for distribution disorders in paroxysmal myoplegias. Cas. lek. cesk. 101 no.29/30:907-911 20 J1 '62.

1. Interne oddelenie KUNZ v Banskej Bystrici, prednosta MUDr. A. Sitar,  
Ustredne laboratorium KUNZ v Banskej Bystrici, prednosta MUDr. E. Bielik.

(WATER-ELECTROLYTE BALANCE physiol)  
(MUSCLES diseases)  
(ERYTHROCYTES chemistry)

HRNCIR, J.

"It's Time to Plan Precisely for Autumn Work." p. 324,  
(MECHANISACE ZEMEDELSTVI, Vol. 4, No. 17, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

HRNCIR, J.

Economic conferences in Pizen and Gottwaldov, p. 148. (Mechanisace Zemedelstvi, Vol. 7, No. 7, Apr. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol 6, No. 8, Aug 1957. Uncl.

HRNCIR, J.

This year's production finance plans and technical-organizational measures. p.241.  
(Mechanisace Zemedelstvi, Vol. 7, No. 11, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol.6, No. 9, Sept. 1957. Uncl.

HRNCIR, J.

Man power for harvesting and the fall work in 1957. p. 317.  
(Mechanisace Zemedelstvi, Vol. 7, no. 14, July 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol.6, no.10, October 1957. Uncl.

HRNCIR, J.

Economic and organizational problems connected with the tasks of machine-tractor stations. p. 250.

MECHANISACE ZEMEDLSTVI. Praha, Czechoslovakia. Vol. 9, no. 11, Nov. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

HRNCIR, J.; TYPOVSKY, K.

Periappendiceal infiltrates in children, their prognosis and therapy. Rozhl.chir,40 no.1:40-42 Ja '61.

1. Chirurgické oddělení KUNZ v Ostrave, přednosta doc.dr. K.Typovský.  
(APPENDIX dis)

HRNCIR, Jaromir

Machine for one-sided application of adhesives on rubber shoe upper parts of uneven thickness. Kozarstvi 15 no.3:74-76 '65.

1. Svit National Enterprise, Gottwaldov.

L 21496-66 ENP(k)/ENP(n)/ENP(l)

ACC NR: AP6010967

SOURCE CODE: CZ/0080/65/000/003/0075/0076

AUTHOR: Zuzanek, Jaroslav (Engineer); Hrncir, Vlastimil

ORG: Nova Paka Plant, Industrial Automation Plants, n. p., Nova Paka (Zavody prumyslove automatizace, n. p., zavod Nova Paka)

TITLE: HmD6 guard for measuring points

SOURCE: Automatizace, no. 3, 1965, 75-76

TOPIC TAGS: remote control, electric motor, computer switching

ABSTRACT: The article describes the HmD6 guard for measuring points with motor switching of the measuring points and remote control. Technical data and a diagram are given and applications are indicated. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 09 / SUBM DATE: none

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B

Card 1/1 Ada

Geriatrics

CZECHOSLOVAKIA

UDC 577.15(:616.002.77):616-053-9

HRNCIR, Z.; DVORAK, K.; MA TEJA, F.; 2nd Internal Clinic, Med. Fac. Charles University (II. Interni Klinika Lek. Fak. KU), Hradec Kralove, Chief (Prednosta) Prof Dr V. JURKOVIC; Radiological Clinic, Med. Fac. Charles University (Radiologicka Klinika Lek. Fak. KU), Hradec Kralove, Chief (Prednosta) Prof Dr J. BASTECKY

"Clinical Importance of the Rheumatoid Factor in Old Age."

Prague, Časopis Lekarů Ceských, Vol 106, No 10, 10 Mar 67, pp 257-263

Abstract [Authors' English summary modified]: Serum rheumatoid factor was examined in subjects above 65 years old by means of the latex-fixation test. In 9.33% the findings were positive with a diagnostic factor 1:160 or more, while in younger people the findings were only 5.33%. The number of positive findings reaches a maximum at the ages of 70 - 74 years. In 47% of the positive findings other diseases usually combined with rheumatism were found. In 35.7% it was hepatopathies. Higher incidence of the rheumatoid factor in old age is probably due to progressive polyarthrititis or another collagenosis. 4 Figures, 3 Tables, 27 Western, 9 Czech references. (Manuscript received Jan 66).

1/1

HRNCIR, Zbynek; JINDRAK, Karel

Malignant course of gout nephropathy with findings of an atypical amyloid. Vnitřní lek. 11 no.7:673-678 J1 '65.

1. II. vnitřní klinika Lékařské fakulty Karlovy University v Hradci Králové (prednosta prof. MUDr. V. Jurkovic) a patologickoanatomický ústav Lékařské fakulty Karlovy University v Hradci Králové (prednosta prof. MUDr. A. Fingerland).

HRNCIR, Z.; SKALICKA, L.

Use of chloroquine in extrasystolic bigeminy and trigeminy.  
Cas. lek. cesk. 102 no.45:1252-1253 8 N '63.

1. Vnitřní oddělení nemocnice v Novém Bydžově; OUNZ Hradec Králové,  
(vedoucí MUDr. M. Tousek).

★

CZECHOSLOVAKIA

HRACIR, Z., Department of Internal Medicine (Interni oddeleni),  
OUNZ [Okresni ustav narodniho zdravi; Okres Institute of Public  
Health], Hospital in Novy Bydov, M. FOUSEK, MD, director; with  
technical cooperation of PAVLICKOVA, Alena, Central Laboratories  
(Usredni laboratore), OUNZ, Hradec Kralove, J. RADL, MD, direct-  
or.

"Variation of Blood During Rest and the Influence of Sodium  
Salicylate"

Prague, Casopis Lekaru Ceskych, Vol CII, No 24, 14 June 63,  
pp 658-663.

Abstract [Authors' English summary]: In 50 individuals the  
change was investigated of circulating eosinophils during rest  
and after a single dose of two grams of sodium salicylate per  
os for four hours during the morning when decisive changes take  
place. Eosinophilia at rest varied from the initial morning  
value mostly by  $\pm 20\%$ . It did not decline below 40% of the  
initial value. It has been found that spontaneous eosinopenia  
can be eliminated by respecting standard conditions during  
distortion of Thorn's test. The frequently observed spontaneous  
rise is within limits of normal variations. A dose of sodium  
salicylate administered caused a clear-cut eosinopenic response  
1/2

CZECHOSLOVAKIA

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618220016-5"

Prague, Casopis Lekaru Ceskych, Vol CII, No 24, 14 June 63,  
pp 658-663.

which was similar as the response to ACTH known from clinical  
practice during Thorn's test. Thirty-five references, including  
15 Czech.

HRNCIR, Zbynek; TOUSEK, Milos

Caplan's syndrome. Cas. lek. cesk. 101 no.27:850-853 6 J1 '62.

1. Interni oddeleni OUNZ Hradec Kralove - luzkove oddeleni v Novem Bydzove, vedouci MUDr. Milos Tousek.

(ARTHRITIS RHEUMATOID radiography)  
(PULMONARY FIBROSIS radiography)  
(OCCUPATIONAL DISEASES)

TOUSEK, Milos; HRNCIR, Zbynek

Dressler's postinfarction syndrome. Cas. lek. cesk. 101 no.28:857-860  
13 JI '62.

1. Interni oddeleni OUNZ Hradec Kralove, luzkove oddeleni v Novem  
Bydzove, prednosta MUDr. Milos Tousek.  
(MYOCARDIAL INFARCT compl) (DIABETES MELLITUS compl)  
(PERICARDITIS etiol)

CZECHOSLOVAKIA

HRNCIR, Z.; 2nd Internal Clinic, Medical Faculty, Charles University (II. Interni Klinika Lek. Fak. KU), Hradec Kralove, Chief (Prednosta) Prof Dr V. JURKOVIC.

"Application of Chloroquine in the Treatment of Rheumatic Fever and in the Prevention of its Recrudescence."

Prague, Casopis Lekaru Ceskych, Vol 105, No 52, 23 Dec 66, p 1413

Abstract: In some patients treatment with sulfonamide drugs is not possible because of the side effects they produce in such subjects. In these cases antimalarial drugs of the chloroquine series can be used successfully. A case of successful treatment of a 39 year old man is described. No references.

1/1

SKALICKA, L; HAVEL, E., MD; HRNČIR, Z.

CZECHOSLOVAKIA

1. Internal Medicine Department of the Hospital OUNZ (Vnitřní oddělení nemocnice OUNZ), Hradec Králové;
2. Eye Ward of the Polyclinic (Oční oddělení polikliniky), Nový Bydžov (for Havel);
3. Rheumatological Council KUN Z (Revmatologická poradna X KUNZ) Hradec Králové

Prague, Vnitřní lékařství, no 11, 1963, pp 1108-1111

"Pathological Changes of the Cornea and R<sup>E</sup>tina Accompanying Chloroquin Therapy of Internal Diseases."

CZECHOSLOVAKIA

HRNCIR, Z.; SKALICKA, L.; Department of Internal Medicine at Novy Bydzov, District Office of National Health (Vnitřní Oddělení Nemocnice v Novem Bydzove, OUNZ) in Hradec Kralove, Head (Vedouci) Dr M. Tousek.

"The Use of Chloroquin in Extrasystolic Bigeminal and Trigeminal Rhythm."

Prague, Časopis Lékaru Ceskych, Vol 102, No 45, 1963, pp 1252 - 1253

Abstract: Report describes treatment of 6 patients; 4 were cured. Chloroquin is a synthetic antimalaria drug used also in skin and rheumatic diseases. Chloroquin diphosphate was used in pills containing each 250 mg. 500 mg was used in initial dosis, increased to 750 mg in 3 days and to 1000 mg after 3 more days. If no cure was obtained by then, it was assumed that the treatment was unsuccessful. Improved condition of patients was maintained by a dosis of 250 mg daily. 1 Table, 4 Western, 1 Czech, 1 Russian, 1 Indian reference.

1/1

HRNCIR, Z.; SKALICKA, L.

Chloroquine in the treatment of auricular fibrillation. Cas.  
lek. cesk. 103 no.28:804-808 6 JI'64

1. Vnitřní oddelení nemocnice v Novém Bydžově; vedoucí: MUDr.  
M. Tousek.

HENCIN, Zbyněk; JABLONEK, Oldřich

The significance of the electrocardiographic syndrome TV1 higher than TV6 for the screening of ischemic heart disease in patients with obliterating arteriosclerosis of the arteries of the lower extremities. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:673-685 '64.

I. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic)  
Lekarske fakulty Karlovy University v Hradci Kralove.

HRNCLAR, J.; GUNCAGA, J.; HRNCLAROVA, M.; BIELIK, E.

Erythrocytes as an indication for distribution disorders in paroxysmal myoplegias. Cas. lek. cesk. 101 no.29/30:907-911 20 J1 '62.

1. Interne oddelenie KUNZ v Banskej Bystrici, prednosta MUDr. A. Sitar,  
Ustredne laboratorium KUNZ v Banskej Bystrici, prednosta MUDr. E. Bielik.

(WATER-ELECTROLYTE BALANCE physiol)  
(MUSCLES diseases)  
(ERYTHROCYTES chemistry)

REHICAR, Pavol, Doc. 03a.

Phthalides and 1,3-indanones. Pt. 16. Chem. Zvest. 11 no. 5: 360-370 1965.

1. Chair of Organic Chemistry and Biochemistry of the Faculty of Natural Sciences of Komenský University, Bratislava, Slovakia
2. Submitted October 22, 1964.

HRNJEVIC, E.

HRNJEVIC, E. The pipe system in the Kakanj Thermoelectric Plant. p. 583

Vol. 9, no. 11/12, Nov./Dec. 1956

ELEKTROPRIVERDA

TECHNOLOGY

Beograd

So: East European Accession, Vol. 6, no.3, March, 1957

HRNJICEK, Borivoje, sanitetski pukovnik, dr.; ARNERIC, Slavko,  
sanitetski potpukovnik, dr.

On 2 cases of Pringle's disease. Vojnosanit. pregl. 20 no.3:  
161-163 Mr '63.

1. Vojnomedicinska akademija u Beogradu, Klinika za kozne i  
polne bolesti.

(SKIN NEOPLASMS)

S

HRNJICEK, Borivoje

Streptomycin therapy of gonorrhoea. Voj san pregl 11 no.1/2  
Ja-F '54. (REAL 3:7)

(GONORRHEA, ther.  
\*streptomycin)

(STREPTOMYCIN, ther. use  
\*gonorrhoea)

HRNJICEK, Borivoje, potpukovnik dr.

Leprosy; its classification, treatment and prophylaxis. Voj. san.  
pregl., Beogr. 12 no.1-2:59-63 Jan-Feb 55.

(LEPROSY  
classif., ther. & prev.)

HRNJICEK, Borivoje, potpukovnik dr.

Case of lepromatous leprosy of the L type. Voj.san.pregl., Beogr.  
12 no.1-2:67-69 Jan-Feb 55.

(LEPROSY

lepromatous, L type)

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